

## **REMARKS**

This Amendment is responsive to the Office Action dated June 1, 2005, in which Claims 1-16 were rejected. Claim 12 has been amended. Accordingly, Claims 1-16 are pending in the application, and are presented for reconsideration and allowance.

### **I. Allowable Subject Matter**

Applicant thanks the Examiner for the time and patience in searching the prior art and finding Claims 17 and 18 allowable. Applicant believes that independent Claim 1 and the corresponding dependent claims are allowable over the cited art based upon the included remarks.

### **II. Claim Objections**

The Office Action objected to Claim 12 because of informalities. Applicant amended Claim 12 to depend from Claim 11.

Applicant believes no new matter has been added with this amendment. Reconsideration of the objection to the claim is respectfully requested.

### **III. Claim Rejections, 35 USC §103**

The Office Action rejected Claims 1-16 under 35 USC §103 as being unpatentable over *Morton* U.S. Patent number 5,966,506 in view of *Nakane* U.S. Patent number 5,461,462.

Applicant's method of calibrating a printing system entails analyzing the dataset to identify outlier data, wherein if outlier data is identified, a second scan is performed. A second dataset is formed from the second scan and the second dataset is further analyzed for outlier data (See Claim 1 and Page 8, Lines 19-21 of the Specification as filed). The outlier data points are removed from the measured densities and exposure arrays (See Page 11, Lines 8-9 of the Specification as filed). By removing the outlier data points, the printing system can be calibrated to provide a more precise polynomial interpretation between patches in order to produce for a precise location of the requested density (See Page 4, Lines 8-9 of the Specification as filed).

*Morton* teaches a method of printing an image with an electronically sharpened edge. The method uses an image writing medium to form an image on a substrate. The image is printed using a range of writing medium exposures greater than a standard range. The standard range is the range required to ensure that macroscopic areas of the substrate exhibit the full density range of the substrate between  $D_{min}$  and  $D_{max}$  (Claim 1 and Column 7, Lines 14-43 of '506).

*Morton* fails to teach identifying data outliers and fails to teach repeated scanning of the test pattern when an outlier data exists. Applicant believes that the inclusion of outliers results as in the produces a less precise calibration curve result. Applicant's method rescans the test pattern if outlier data is identified, thereby providing a more precise calibration curve.

Further, *Morton* does not locate the toe and shoulder exposure points, which *Morton* identifies as "E1" and "E2." Applicant calculates the toe and shoulder exposure points, which Applicant identifies as a first and a second density point (See Claim 1 and Page 8, Lines 21-28 of the Specification as filed). Applicant calculates the toe and shoulder exposure points using an algorithm.

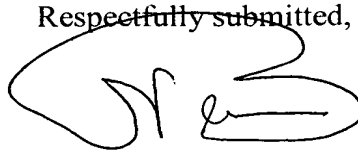
*Nakane* teaches a means for repeatedly forming an image, detecting an amount of toner, and calculating the deviation (Column 2, Lines 20-24 and 56-59; Column 14, Lines 4-43; and Claim 1). Applicant believes that *Nakane* fails to teach the missing elements of repeated scanning of outlier data and of calculating the toe and shoulder points.

Reconsideration of the rejections to the claims is respectfully requested in light of the noted remarks.

Again, Applicant appreciates the Examiner for the time and patience in searching the prior art and finding Claims 17 and 18 allowable. Applicant believes that independent Claim 1 and the corresponding dependent claims are allowable over the cited art based upon the included remarks.

Applicant respectfully requests reconsideration of the claims in view of the amendments to the claims, and the remarks expressed above.

Respectfully submitted,



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